

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON

FOUR NEW BIRDS FROM SALVADOR.

BY DONALD R. DICKEY AND A. J. VAN ROSSEM.

A small collection of birds made by the junior author in Salvador in 1912, has recently become available for study. It includes specimens of the following four apparently unnamed forms. They are here described as follows:

***Pipromorpha assimilis obscura*, subsp. nov.**

SALVADOR PIPROMORPHA.

Type.—Female adult, No. 8022, Collection of Donald R. Dickey; San Salvador, Salvador; April 1, 1912; collected by A. J. van Rossem.

Subspecific characters.—Intermediate in size between *Pipromorpha assimilis assimilis* and *Pipromorpha assimilis dyscola*. Compared with *assimilis*, the color of the chin, throat and pectoral region is greener, decidedly darker, and extends further down the breast and sides. Dorsal coloration darker than in *dyscola*, with the green of underparts also darker than in that form. The buffy ochraceous yellow of the abdominal region is less suffused with greenish than in *dyscola*, contrasting more sharply with the dull green of breast and sides.

Measurements of type.—Length in flesh, 140 mm.; wing, 62.5; tail, 48.0; culmen from base, 14.1; tarsus, 15.2; middle toe minus claw, 9.0.

Range.—Foothill regions of Salvador.

Remarks.—We have not examined birds from western Nicaragua or western Guatemala, hence the limits of the range of this form are at present unknown. However, specimen No. 64,302, Museum of Comparative Zoology, from "Guatemala," without specific locality, displays the characters assigned to the present form. It is obviously distinct from the type found in eastern Central America and Mexico, and was probably collected in western Guatemala.

***Myadestes obscurus oberholseri*, subsp. nov.**

OBERHOLSER SOLITAIRE.

Type.—Male adult, No. 8278, Collection of Donald R. Dickey; Volcan de San Rafael, Salvador; May 30, 1912; collected by A. J. van Rossem.

Subspecific characters.—Smallest of the races of *Myadestes obscurus*. Coloration not appreciably different from that of *Myadestes obscurus ob-*

scurus, except that the underparts of the two specimens examined are clearer gray, lacking the brownish wash often present in *obscurus* and *occidentalis*.

Measurements of type.—Length in flesh, 218; wing, 97.0; tail, 93.0; culmen from base, 16.0; tarsus, 19.3; middle toe minus claw, 15.3.

Range.—Highlands of Salvador, north probably through western Guatemala to Chiapas, Mexico.

Remarks.—The authors have not examined specimens from the Pacific Slope immediately north of Salvador, but in view of Mr. Ridgway's remarks (Birds of North and Middle America, pt. 4, 1907, p. 167) it seems probable that birds from western Guatemala and Chiapas should be referred to the present small race. Birds one year old, or less, average considerably smaller than adults. These younger birds are easily distinguished by their buff-tipped greater coverts, as well as by their smaller size. To avoid confusion they have been excluded from the following table.

Comparative measurements.—

Myadestes obscurus obscurus.

Three adult males from Vera Cruz and Hidalgo, Mexico.

<i>Wing.</i>	<i>Tail.</i>	<i>Culmen from base.</i>	<i>Tarsus.</i>	<i>Middle toe minus claw.</i>
103.0–105.5 (104.2)	97.0 ⁽¹⁾ –105.5 (100.3)	15.6–16.8 (16.0)	20.5–20.7 (20.6)	15.9–17.0 (16.3)

Myadestes obscurus occidentalis.

Three adult males from Guerrero, Jalisco and Michoacan, Mexico.

<i>Wing.</i>	<i>Tail.</i>	<i>Culmen from base.</i>	<i>Tarsus.</i>	<i>Middle toe minus claw.</i>
100.0–104.0 (101.0)	101.0–103.0 (101.8)	15.5–16.7 (16.1)	20.5–21.1 (20.7)	15.3–16.2 (15.7)

Myadestes obscurus insularis.

Three adult males from the Tres Marias Islands, Mexico.

<i>Wing.</i>	<i>Tail.</i>	<i>Culmen from base.</i>	<i>Tarsus.</i>	<i>Middle toe minus claw.</i>
101.5–102.5 (102.0)	102.5–103.5 (103.0)	15.1–15.8 (15.5)	21.1–23.0 (22.2)	16.1–17.0 (16.7)

Myadestes obscurus oberholseri.

Two adult males from Salvador, Central America.

<i>Wing.</i>	<i>Tail.</i>	<i>Culmen from base.</i>	<i>Tarsus.</i>	<i>Middle toe minus claw.</i>
97.0–99.0 (98.0)	92.0–93.0 (92.5)	15.3–16.0 (15.7)	19.3–21.6 (20.5)	15.3–16.6 (16.0)

¹In excessively worn July plumage.

Catharus melpomene bangsi, subsp. nov.

BANGS NIGHTINGALE THRUSH.

Type.—Male adult, No. 8239, Collection of Donald R. Dickey; Volcan de San Salvador, Salvador; April 22, 1912; collected by A. J. van Rossem.

Subspecific characters.—Dorsal coloration scarcely if at all distinguishable from that of *Catharus melpomene melpomene*. Ventral coloration not only darker than in *melpomene*, but even darker than in *costaricensis*, the darkest of the previously described forms. This dark coloration is particularly noticeable on flanks and throat. White area of belly much reduced in extent. The decidedly darker coloration of *bangsi* obviates the necessity of comparison with *clarus*, the palest race of the species.

Measurements of type.—Length in flesh, 191 mm.; wing, 83.5; tail, 68.5; culmen from base, 19.3; tarsus, 30.0; middle toe minus claw, 18.5.

Range.—The slopes of Volcan de San Salvador and Volcan de San Rafael, near the city of San Salvador, Salvador.

Remarks.—The three specimens of the present race which we have examined are darker than any of the previously described races of *Catharus melpomene*. This species is paler in worn plumage than in fresh. Despite this fact, our specimens of *bangsi*, though in worn plumage, are darker than examples of *costaricensis* in much fresher plumage. Our small series averages slightly larger than *melpomene*, but size is so variable in the species that we prefer to discount its value as a character at this time.

Cyclarhis flaviventris mesoleucus, subsp. nov.

SALVADOR PEPPER SHRIKE.

Type.—Male adult, No. 8111, Collection of Donald R. Dickey; San Salvador, Salvador; April 19, 1912; collected by A. J. van Rossem.

Subspecific characters.—Differs from *Cyclarhis flaviventris flaviventris* in having the central portions of the abdominal and anal regions white, and the olive green of the interscapular region duller, in contrast to the brighter green of rump and upper tail coverts. Compared with *Cyclarhis flaviventris yucatanensis*, the upper tail coverts and rump are brighter green, the abdominal region more extensively white, and the rest of the under parts more strongly yellow.

Measurements of type.—Length in flesh, 174; wing, 75.5; tail, 61.0; culmen from base, 20.0; tarsus, 22.3; middle toe minus claw, 14.5.

Range.—Foothill regions of Salvador.

Remarks.—This new race seems to constitute a step in the direction of the "flavipectus" type, and it is easily possible that further material from stations on the west coast between Salvador and Costa Rica may ultimately bridge the gap between *Cyclarhis flaviventris* and *Cyclarhis flavipectus*.